| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |

Application/Control No.

09/773,285

Examiner

Yvonne M. Horton

Applicant(s)/Patent under Reexamination

KUIPERS ET AL.

Art Unit

3635

| √ | Rejected |
|---|----------|
| = | Allowed  |

- (Through numeral)
Cancelled

+ Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Cla          | aim            |                    |               |         | Dat    | e                  |          |                 |     | Cla      | im       |           |          |          | Da      | e               |                                                  |          | ]            |       | laim       |              |          | •        | C               | Date     | •        |          | -        |   |
|--------------|----------------|--------------------|---------------|---------|--------|--------------------|----------|-----------------|-----|----------|----------|-----------|----------|----------|---------|-----------------|--------------------------------------------------|----------|--------------|-------|------------|--------------|----------|----------|-----------------|----------|----------|----------|----------|---|
|              | <u>~</u>       | S.                 |               |         |        |                    |          |                 |     |          | <u>~</u> |           |          |          |         |                 |                                                  | - 1      |              |       | <u></u>    | 1            |          |          |                 |          |          |          |          |   |
| Final        | Original       | 7/28/05            |               | İ       |        | Ш                  |          | ****            |     | Final    | Original |           |          |          |         | 1               |                                                  |          |              | Final | Original   | 1            | 1        |          |                 |          |          | ł        |          |   |
| ΙŒ           | <del>(</del> ) | 7.2                |               |         |        |                    |          |                 |     | II       | č        |           |          |          |         |                 |                                                  | 1        |              | 冱     | ਨੂੰ        | l            |          |          |                 |          |          |          |          |   |
| <u> </u>     | <u> </u>       |                    |               | _       |        | $\perp$            |          | :               |     |          |          |           | _        | $\perp$  | ┸       | $oxed{igspace}$ | Ш                                                |          | <u> </u>     |       |            |              |          |          |                 |          |          | _        | _        |   |
|              | 1              | 1                  | Ц.            | $\perp$ |        | $\perp \perp$      | $\perp$  | Ш               |     | $\Box$   | 51       | $\Box$    | _        | 4        |         | <u> </u>        | Ш                                                |          | J            |       | 101        | $oxed{oxed}$ | L        |          |                 |          |          | _        | _        |   |
|              | 2              | 1                  | Ш             |         |        | $\perp \perp$      |          | Щ               |     |          | 52       |           | 4.       | _ _      | -       | <u> </u>        | $\sqcup$                                         |          | J            |       | 102        | <u> </u>     | <u> </u> |          |                 |          |          | $\dashv$ | _        |   |
|              | 3              | 1                  | $\perp$       | +       | _      | ++                 |          | Щ               |     |          | 53       |           | _        | 4        | +       | ┡               | -                                                |          |              |       | 103        | L.           | ▙        |          |                 |          |          | _        |          |   |
| <u> </u>     | 4              | 0                  | $\vdash$      | _       | $\bot$ | ++                 |          |                 |     |          | 54       | -         | -        | -        | 4       | ┝               | $\vdash$                                         | -        | 4            | _     | 104        |              | L        | L_       |                 |          | _        | -        | $\dashv$ |   |
|              | 5              | 0                  | ┝             | -       | +      | ++                 |          |                 |     |          | 55       | $\dashv$  | _        | -        | -       | ┼               | $\vdash$                                         | +        | 4            | _     | 105        | <u> </u>     | L        |          |                 | •        | -        | 4        | _        | - |
|              | 6              | 1                  | $\vdash$      | +       | +      | ++                 | $\perp$  |                 |     |          | 56       |           | -        | -        |         | -               | $\vdash$                                         | -        | <b>∤</b> ‱   |       | 106        | <u> </u>     | ├        |          |                 | _        | _        | 4        |          |   |
| <u> </u>     | 7              |                    | $\vdash$      | +       | +      | ++                 |          |                 |     |          | 57       | $\dashv$  |          | +        |         | ╀               | $\vdash$                                         | +        | -            |       | 107        | ├-           | -        |          |                 |          |          | $\dashv$ |          | _ |
|              | 8              |                    | $\vdash$      | -       | +-     | ++                 |          | $\dashv$        |     | $\vdash$ | 58       | -         | -        | +        |         | ╀╌              | $\vdash$                                         | +        | 1            |       | 108        | <u> </u>     |          |          | -               | -        |          | $\dashv$ |          | _ |
| <u> </u>     | 9              | .1                 | $\vdash$      | -       | +      | +                  | +        | -               |     |          | 59<br>60 | -         | -+       | +        | +       | ╀╌              | ⊢                                                | -        | -            |       | 109        | ⊢            | H        | -        | Н               | $\dashv$ | -        | -        | $\dashv$ |   |
| <u> </u>     |                | <b>√</b>           | $\vdash$      | -       | +      | ++                 | +        | H               |     |          |          |           | -+       | +        |         | ╁               | $\vdash$                                         |          | -            |       | 110        | <u> </u>     | ⊢        | _        |                 |          |          | -        |          |   |
| <u> </u>     | 11<br>12       | 0                  | $\vdash$      | +       | +      | ++                 | +        | H               |     |          | 61<br>62 | $\dashv$  | $\dashv$ | +        | +       | +               | $\vdash$                                         | +        | 1            |       | 111        | $\vdash$     | $\vdash$ | _        | H               | $\vdash$ | -        |          |          |   |
| <u> </u>     | 13             | √                  | $\vdash$      | +       | +      | ╁┼                 | -        | $\vdash \vdash$ |     |          | 63       | $\dashv$  | $\dashv$ | +        | +       | $\vdash$        | $\vdash$                                         |          | <b>-</b>  ∷∷ | _     | 112<br>113 | $\vdash$     | $\vdash$ | <u> </u> | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | _        |   |
|              | 14             | <u> </u>           |               |         | +      | ++                 | +        | H               |     |          | 64       | $\dashv$  | -+       |          | ╁       | ┼-              | $\vdash \vdash$                                  | +        | 1            | -     | 113        | <del> </del> | $\vdash$ | <u> </u> | -               | -        | $\dashv$ | $\dashv$ | $\dashv$ |   |
|              | 15             |                    | $\vdash$      | +       | +      | +                  | +        | H               |     |          | 65       | $\dashv$  | -        | +        |         | ╁               | ╌┼                                               | +        | 1            |       | 115        | ⊢            | ┢        |          | H               |          |          | -        | $\dashv$ |   |
| $\vdash$     | 16             | $\vdash$           | $\vdash$      | 1       | +      | +-+                | +        | $\vdash$        |     |          | 66       | $\dashv$  | $\dashv$ | +        | +       | +               | $\vdash$                                         | +        | 1            | -     | 116        | ⊢            | Н        | <u> </u> | Н               | $\vdash$ | $\dashv$ | $\dashv$ |          | - |
| <del> </del> | 17             | -                  |               | +       | +      | ++                 | $\dashv$ | $\dashv$        |     |          | 67       | $\dashv$  | $\dashv$ | +        | +-      | +-              | $\vdash \vdash$                                  | $\dashv$ | 1            |       | 117        |              | $\vdash$ | $\vdash$ |                 | -        | -        | +        |          |   |
|              | 18             | 1                  | $\vdash$      | +       | +-     | +                  | +        | $\dashv$        |     |          | 68       | $\dashv$  | $\dashv$ | $\dashv$ | +       | +               | +                                                | +        | 1            |       | 118        | ┢            | $\vdash$ | ⊢        | H               | $\vdash$ | -        | $\dashv$ | $\dashv$ | _ |
| <u> </u>     | 19             | =                  |               |         | +      | 1 1                | +        | $\vdash$        |     |          | 69       | $\dashv$  | -        | ╅        | ╁       | +               | $\vdash$                                         | +        | 1            |       | 119        | -            | H        | -        |                 | -        | -        | -+       | $\dashv$ |   |
|              | 20             | F                  | -             | -       | +      | ++                 | $\pm$    | H               |     |          | 70       | ᅱ         | $\dashv$ | $\dashv$ | +       | ╁               | H                                                | +        | 1            |       | 120        | ⊢            |          | -        | Н               | $\dashv$ | -        | $\dashv$ | $\dashv$ | _ |
| <u> </u>     | 21             | $\vdash$           |               | +       | +      | ++                 | $\pm$    | $\dashv$        |     | -        | 71       | ᅱ         | 十        | ┰        | _       | $\vdash$        | $\vdash$                                         | +-       | 1            |       | 121        |              | ┢╌       | $\vdash$ |                 | $\dashv$ |          | $\dashv$ | $\dashv$ |   |
|              | 22             | -                  |               | ╅       | +      |                    | -        | -               |     |          | 72       | $\dashv$  | 十        | -        | _       | $\vdash$        | $\vdash$                                         | +        | 1            | _     | 122        | $\vdash$     | ┢        | $\vdash$ |                 |          |          | $\dashv$ | $\dashv$ |   |
| $\vdash$     | 23             | -                  | -             | +       | +      | $\vdash$           | +        |                 |     |          | 73       | $\dashv$  | +        | +        | +       | ╁               | $\vdash$                                         | +-       | ┧᠁           | _     | 123        | $\vdash$     | -        | _        | Н               | -        |          | $\dashv$ | $\dashv$ |   |
|              | 24             | =                  | $\vdash$      | +       | $\top$ | $\vdash$           | $\top$   | -               |     | -        | 74       | _         | -        | +        | +       | $\vdash$        | $\vdash$                                         | +        | 1            | _     | 124        |              |          | -        | -               |          |          | -        | $\dashv$ | _ |
|              | 25             | 1                  |               | +       | +      |                    | +        | -               |     |          | 75       |           | _        | +        | +       | $\vdash$        | $\vdash$                                         | +        | 1            |       | 125        |              |          | _        |                 |          | -        | $\dashv$ | $\dashv$ |   |
|              | 26             | H                  |               | _ -     | +-     | 1                  | $\vdash$ | $\dashv$        |     |          | 76       |           | $\dashv$ | +        | +-      | $\vdash$        | <del>                                     </del> | $\dashv$ | 1            |       | 126        | -            | _        |          |                 |          |          | $\dashv$ | $\dashv$ |   |
|              | 27             |                    |               | $\top$  |        |                    | $\dashv$ |                 |     |          | 77       |           | 十        | $\top$   | +       | †               | $\vdash$                                         | 十        | 1            |       | 127        | ┪            | $\vdash$ |          |                 |          |          | +        | _        | _ |
|              | 28             | 1                  |               | ┪       | _      |                    |          | $\Box$          |     |          | 78       |           | 十        | +        |         | T               |                                                  | _        | 1            |       | 128        | $\vdash$     | $\vdash$ |          |                 |          |          | 寸        | $\neg$   |   |
|              | 29             |                    |               | 十       | 1      |                    |          |                 |     |          | 79       |           |          | _        | -1-     | T               | $\vdash$                                         |          | 1            |       | 129        | $\vdash$     | Т        |          |                 |          |          | 寸        | $\dashv$ |   |
|              | 30             |                    |               | $\top$  | 1      |                    |          |                 |     |          | 80       |           | $\dashv$ | 7        | _       | T               |                                                  | +        | 1            |       | 130        | 一            | Г        |          |                 |          |          | $\neg$   | ┪        |   |
|              | 31             |                    |               | ┪       |        |                    | $\top$   | $\neg$          |     |          | 81       |           | $\neg$   | $\top$   | _       | ┰               |                                                  | $\top$   | 1            |       | 131        |              |          |          |                 |          |          | ヿ        | _        | _ |
|              | 32             |                    |               |         | 1      |                    |          |                 |     |          | 82       |           |          | $\neg$   | 1       | $\top$          |                                                  | 十        | 1            |       | 132        |              |          |          |                 |          |          | ヿ        | $\dashv$ |   |
|              | 33             |                    |               |         |        |                    |          |                 |     |          | 83       |           | $\neg$   | T        |         | Т               |                                                  |          | 1            |       | 133        |              |          |          |                 |          |          | $\neg$   |          |   |
|              | 34             |                    |               |         |        |                    |          |                 |     |          | 84       |           |          |          |         |                 |                                                  |          |              |       | 134        |              |          |          |                 |          |          | $\neg$   | ヿ        |   |
|              | 35             |                    |               |         |        |                    |          |                 |     |          | 85       |           |          |          |         |                 |                                                  |          | ]            |       | 135        |              |          |          |                 | ,        |          | $\Box$   |          |   |
|              | 36             |                    |               |         |        |                    |          |                 |     |          | 86       |           |          |          |         |                 |                                                  |          | ]            |       | 136        |              |          |          |                 |          |          | $\Box$   |          |   |
|              | 37             |                    |               |         |        |                    |          |                 |     |          | 87       |           |          |          |         |                 |                                                  |          | ]            |       | 137        |              |          |          |                 |          |          | T        |          |   |
|              | 38             |                    |               |         |        |                    |          |                 |     |          | 88       |           |          |          |         |                 |                                                  |          | ]            |       | 138        |              |          |          |                 |          |          | $\Box$   |          |   |
|              | 39             |                    |               |         |        |                    | $\perp$  |                 |     |          | 89       |           |          | ᆚ        |         |                 | Ш                                                |          |              |       | 139        |              |          |          |                 |          |          |          |          |   |
| ldash        | 40             | L.                 | $\sqcup$      | $\perp$ |        | $\sqcup \bot$      |          | Щ               |     |          | 90       |           |          |          | $\perp$ | <u> </u>        | $\sqcup \bot$                                    |          |              |       | 140        |              |          |          |                 |          |          |          |          |   |
|              | 41             | L.                 | ot            | $\perp$ |        |                    | $\perp$  |                 |     |          | 91       |           | $\perp$  | $\bot$   |         | $\perp$         |                                                  |          |              |       | 141        |              |          |          |                 |          |          | $\Box$   |          |   |
| <u></u>      | 42             | _                  | $\sqcup$      | _       |        | $\bot \bot$        | $\perp$  | Щ               |     |          | 92       | $\Box$    | $\perp$  | $\perp$  | $\perp$ | <u> </u>        | $\sqcup \bot$                                    |          | 4            |       | 142        |              |          |          |                 |          |          | _[       |          |   |
|              | 43             |                    | oxdot         | $\perp$ |        | $\perp \downarrow$ | $\perp$  | Ш               |     |          | 93       | $\Box$    | _        |          | $\perp$ | 1_              | $\sqcup \bot$                                    |          | 1            |       | 143        |              |          |          |                 |          |          |          | $\Box$   |   |
|              | 44             | $ldsymbol{\sqcup}$ | $\sqcup$      | $\bot$  |        | <b> </b>           | Ш        | Щ               |     |          | 94       | _         | $\dashv$ |          | _       | 1_              |                                                  |          | <b>.</b>     |       | 144        | <u> </u>     |          |          | Ш               |          |          | _[       |          |   |
| L            | 45             | <u> </u>           | $\sqcup \bot$ | $\perp$ | _      | $\perp \perp$      | $\perp$  |                 |     |          | 95       | $\square$ | _        |          |         | 1_              | $\sqcup$                                         |          |              |       | 145        | _            | $\Box$   |          | Ш               |          |          |          |          |   |
|              | 46             |                    |               | $\bot$  | _      | $\vdash$           | $\dashv$ |                 |     |          | 96       | _         | 4        | $\bot$   | $\bot$  | <del> </del>    | $\sqcup$                                         | 4        | 4            |       | 146        | _            |          |          | Ш               |          |          | _        | _        |   |
|              | 47             | <u> </u>           |               | _       | +      | $\vdash \vdash$    | $\dashv$ | Щ               |     |          | 97       | _         | 4        | _        | $\bot$  | ┞               | $\sqcup$                                         |          | 4            |       | 147        |              | Щ        | <u> </u> | Ш               |          |          |          |          |   |
| <u> </u>     | 48             | Щ                  | $\dashv$      | +       | +      | $\vdash \vdash$    | +        |                 |     |          | 98       | _         | _        | $\bot$   | $\bot$  | ــــ            | $\sqcup \bot$                                    |          | 4            |       | 148        | <u> </u>     |          |          | Ш               | _        | ļ        | _        | _        |   |
| L            | 49             | Ш                  | $\vdash$      | 4       | +-     | $\vdash$           | $\perp$  | Щ <u>!</u>      |     |          | 99       |           | $\perp$  | 4        | ┿.      | <u> </u>        | $\vdash \vdash$                                  |          | 4            |       | 149        | <u> </u>     | L.       |          | Ш               |          |          |          | _        |   |
| L            | 50             |                    | ot            |         |        |                    | _        |                 | ::: | I        | 100      |           |          |          | L       | 1               |                                                  |          | ]:::::       | l     | 150        |              |          |          | oxdot           |          | 1        | L        | _        |   |